

SIGMA-DELTA: HIGH SPEED STEREO A/D's

				Power Supply			Pass	Analog	Input	THD		Dynamic		Frequency Response	Filter	Model Designator		
		#	Sample	Requirements			Band	BW		Plus	SNR	Range	CH	-dB @ KHZ	Group	Temperature	#	
	#	Modula	Rate	+Vcc	+Icc	fCLK	Ripple			Noise		& -60dB	SEP	140	152	172	of	Price
MODEL	BITS	-tors		Volts	+ mA	MHZ	dB	KHZ		@ 1KHz		20>20KHZ					Pins	100
										dB	dB							
SINGLE CHANNEL WIDE BANDWIDTH SIGMA-DELTA CONVERTERS																		
AD7721 IN Parallel Mode																		
AD7721	12		312	+5	35	10	0.05	229.2	DIFF	78	70			0.05	3	72	A	\$11.80
AD7721 IN Serial Mode																		
AD7721	12		468	+5	35	15	0.05	229.2	DIFF	78	70			0.05	3	72	A	\$11.80
AD7722	16	7	195	+5	75	12.5	0.005	95	DIFF	85	80		N/A	0.05	0.8		A	\$23.52
		#	Sample	Power Supply			Pass	Analog	Input	THD		Dynamic		Frequency Response	Filter	Model Designator		
	#	Modula	Rate	Requirements			Band	BW		Plus	SNR	Range	CH	-dB @ KHZ	Group	Temperature	#	
	BITS	-tors		+Vcc	+Icc	fCLK	Ripple			Noise		& -60dB	SEP	460	574	600	740	Price
MODEL				Volts	+ mA		dB	KHZ		@ 1KHz		20>20KHZ						100
										dB	dB							
AD7723	16		1200	5	75	19.2		600	DIFF	81	81			0	3	6	90	\$47.00
SIGMA-DELTA MODULATORS																		
	#	Modula	#	Mod	+Vcc	+Icc	Isdown	fCLK	Dynamic	Passband	SINAD	THD					#	
	BITS	-tors	Bits	Order	Volts	+ mA	+ mA	MHZ	Range	KHz	dB	dB					of	Price
MODEL																	Pins	100
ADMOD79	>18	2	>16	5th	5	108	20	3.07	100	0 to 20	93	93					28	28
AD7720	16	1	16	7th	5	45	0.02	12.5	90	0 to 90							28	9.41